

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the applications.

LISTING OF CLAIMS:

1.-6. (Cancelled)

7. (New) A sintering method for a W-Cu composite material without exuding of Cu comprising the steps of:

(a) preparing a W-Cu composite powder comprised of W and Cu powders prepared by mixing $\text{WO}_3/\text{WO}_{2.9}$ powder and $\text{CuO}/\text{Cu}_2\text{O}$ powder;

(b) compacting the W-Cu composite powder to a W-Cu composite material;

(c) densifying the W-Cu composite material by holding the W-Cu composite material at a temperature of about 800 to about 1083°C under a reduction atmosphere; and

(d) sintering the W-Cu composite material at a temperature ranging from about 1200 to about 1400°C without an isothermal hold.

8. (New) The method of claim 7, wherein the densifying step is performed for about 0.5 to about 10 hours.

9. (New) A sintering method for a W-Cu composite material without exuding of Cu comprising:

- (a) preparing a W-Cu composite powder comprised of W and Cu powders prepared by mixing $\text{WO}_3/\text{WO}_{2.9}$ powder and $\text{CuO}/\text{Cu}_2\text{O}$ powder;
- (b) compacting the W-Cu composite powder to a W-Cu composite material;
- (c) densifying the W-Cu composite material by holding the W-Cu composite material at a temperature ranging from about 1083 to about 1150°C under a reduction atmosphere; and
- (d) sintering the W-Cu composite material at a temperature ranging from about 1200 to about 1400°C without an isothermal hold.

10. (New) The method of claim 9, wherein the densifying step is performed for about 0.5 to about 10 hours.

11. (New) The method of claim 7 wherein the W-Cu composite powder formed is round and the W powder surrounds the Cu powder.

12. (New) The method of claim 9 wherein the W-Cu composite powder formed is round and the W powder surrounds the Cu powder.